THE FREQUENCY OF MUMPS AND OF MUMPS ORCHITIS
AND THE CONSEQUENCES FOR SEXUALITY AND FERTILITY

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To my Parents
PREFACE

The incidence of mumps happened to be very high in the years 1941-43 at the military establishments where I then was Chief Medical Officer. The outcome of this was that I came to take a special interest in the ailment, not least because it is an important military disease. A matter which I thought required to be looked into rather thoroughly was the extent of the permanent lesions in adult males following mumps orchitis. The present work constitutes an attempt to elucidate and treat this problem by using statistical methods.

The investigation that shortly afterwards was begun–of which this book is a partial result–was supervised with unfailing interest by Professor Gunnar Dahlberg, M. D., LL. D., who liberally gave of his invaluable advice throughout the work. I am most deeply indebted to him for succinct impulses when the work was being planned and for his friendly directions as it was in progress.

Most of the work was carried out at the State Institute of Human Genetics and Race Biology, and I am sincerely grateful to Professor Gunnar Dahlberg, its chief, for freely putting the facilities and staff of the institute at my disposal. It is also a pleasure to have this opportunity of thanking Dr. Christian Hamburger, M. D., for his great interest and valuable advice, as well as for his kindness in letting me have the benefit of doing a number of determinations at the Hormone Department of the State Serum Institute, Copenhagen. I extend my gratitude to Professor Axel Westman for enabling me to do hormone and sperm assays at the Hormone and Sperm Laboratories of the Caroline Hospital, Stockholm. I am particularly anxious to thank Dr. Egon Diczfalusy, M. D., for useful hints and constructive discussions concerning the hormonal part of the work.

Most of the sperm studies were performed at the Sperm Laboratory of the Caroline Hospital and it is a pleasure to express my thanks to its chief, Dr. Eric Nordlander, M. D.

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The statistical computations were carried out at the State Institute of Human Genetics and Race Biology. Mr. Elvir Lander, Actuary to the institute, gave most valuable aid and good advice in addition to helping me in many other ways and I am heartily grateful to him for doing so. The staff of the institute are also due my thanks for working on my behalf with interest and application.

Clinical data were made available by a large number of Army Doctors and by the chiefs of Garrison Hospitals, Hospitals for Communicable Diseases, and Laboratories, so I wish to thank all those who thereby have facilitated my work.

The chief of the Medical Administration of the Swedish Defence Forces, Surgeon General David Lindsjö, M. D., and the chief of the Swedish Army Medical Corps, Deputy Surgeon General Sigurd Kihlstedt, have extended valuable aid and made available the archives of the Medical Board of the Defence Forces. I thank them for their great kindness. In particular I wish to thank the chief of the Bureau of Health at the Medical Board of the Defence Forces, Professor Gerhard Rundberg, M. D., for his interest in and friendly advice about my problems. I beg to thank my superior officer, Major General Sven Colliander, for going to great lengths to facilitate my work.

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Uppsala, March 1951.
Bengt Lambert.